

LISTING OF THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) An electromagnetic noise suppressor having:
a magnetic resonance frequency [[is]] of 8 GHz or higher; and
the an imaginary part μ''_H of complex magnetic permeability at 8 GHz which is higher
than [[the]] an imaginary part μ''_L of complex magnetic permeability at 5 GHz,
wherein the electromagnetic noise suppressor includes a composite layer including a
complicated heterogeneous structure where a binding agent and a magnetic material are
integrated at the nanometer scale, wherein the composite layer includes a portion where a crystal
lattice is observed to be made up of atoms of the magnetic material, a portion where only the
binding agent is observed, and a portion where atoms of the magnetic material are observed to be
dispersed in the binding agent without crystallizing.
2. (Canceled).
3. (Currently Amended) An electromagnetic noise suppressor according to claim [[2]] 1,
wherein the composite layer is formed by physically vapor-depositing the magnetic material onto
the binding agent.
4. (Currently Amended) An electromagnetic noise suppressor according to claim [[2]] 1,
wherein the binding agent is a resin or a rubber.
5. (Original) An electromagnetic noise suppressor according to claim 3, wherein the
binding agent is a resin or a rubber.
6. (Currently Amended) The electromagnetic noise suppressor according to claim [[2]]
1, wherein the binding agent is a hardening resin.

7. (Original) The electromagnetic noise suppressor according to claim 3 wherein the binding agent is a hardening resin.

8. (Withdrawn) A method of manufacturing an electromagnetic noise suppressor, comprising:

physically vapor-depositing a magnetic material onto a binding agent to form a composite layer on the surface of the binding agent, thus obtaining an electromagnetic noise suppressor having a magnetic resonance frequency of 8 GHz or higher, and the imaginary part μ''_H of complex magnetic permeability at 8 GHz higher than the imaginary part μ''_L of complex magnetic permeability at 5 GHz.

9. (Withdrawn) A structure with an electromagnetic noise suppressing function, at least a part of which surface is covered with the electromagnetic noise suppressor of claim 1.

10. (Withdrawn) A structure with an electromagnetic noise suppressing function according to claim 9, wherein the structure is a printed wiring board having electronic components mounted thereon.

11. (Withdrawn) A structure with an electromagnetic noise suppressing function according to claim 9, wherein the structure is a semiconductor integrated circuit.

12. (Withdrawn) A method of manufacturing a structure with an electromagnetic noise suppressing function, comprising:

a coating process of coating at least a part of the surface of the structure with a binding agent; and

a vapor deposition process of physically vapor-depositing a magnetic material onto the binding agent to form a composite layer on the surface of the binding agent.

13. (New) An electromagnetic noise suppressor having:

a magnetic resonance frequency of 8 GHz or higher; and
an imaginary part μ''_H of complex magnetic permeability at 8 GHz which is higher than
an imaginary part μ''_L of complex magnetic permeability at 5 GHz,
wherein the electromagnetic noise suppressor includes a composite layer including a
complicated heterogeneous structure where a binding agent and a magnetic material are
integrated at the nanometer scale, wherein the composite layer includes a portion where a crystal
lattice is observed to be made up of atoms of the magnetic material, a portion where the binding
agent is observed without presence of the magnetic material, and a portion where atoms of the
magnetic material are observed to be dispersed in the binding agent without crystallizing.